I claim:

1. A flame retardant polyurethane composition produced by the process comprising of mixing, selective heating and reacting the following components:

Component B consisting of

(A). urea and/or urea condensates, in the amount of 50 to 200 parts by weight;

(B). bio based compound selected from the group consisting of vegetable oils, molasses, corn syrup, sugar, lignin, sodium cellulose, hemi-cellulose and mixtures thereof in the amount of 50 to 200 parts by weight;

(C) Water, in the amount of 0 to 200 parts by weight;

(D) blowing agent, in the amount of 0 to 50 parts by weight;

(E) urethane catalyst, in the amount of 0 to 20 parts by weight;

(F) carbonization auxiliaries, in the amount of 0 to 50 parts by weight;

(G) filler, in the amount of 0 to 200 parts by weight based on weight;

(H) surfactant, 0 to 20 parts by weight;

(I) compound with an active hydrogen that will react with a polyisocyanate, in the amount of 0 to 100 parts by weight;

Component A consisting of:

(J) polyisocyanate, in the amount of 50 to 400 parts by weight;

Component A and Component B are mixed and reacted.

2. The flame retardant composition of Claim 1 wherein the blowing agent is selected from the group consisting of water, methylisobutyl ketone, acetone, mechanically frothed gas, Freon, methylene chloride and mixtures thereof.

3. The flame retardant composition of Claim 1 wherein the compound with an active hydrogen

is a polyol.

4. The flame retardant composition of Claim 1 wherein the urethane catalyst is an amine and/or an organic metal catalyst.
5. The flame retardant composition of Claim 1 wherein the surfactant is a silicone surfactant.
6. The flame retardant composition of Claim 1 wherein the carbonization auxiliaries are selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds and sulfur containing compounds that produce acidic components in the pyrolysis mixture.
7. The flame retardant composition of Claim 1 wherein the filler is selected from the group consisting of urea, melamine, dicyandiamide, melamine cyanurate , amino phosphates, aminopolyphosphates, aminoplasts, phenoplasts, powdered synthetic resins, sawdust, carbohydrates, bituminous additives, graphite, graphite compounds, cyanuric derivatives or their formaldehyde resins, powdered coke, silica, fiberglass, alkali metal silicates, alkaline earth metal silicates, metals, metal silicates, oxides, carbonates, sulphates, phosphates and borates, glass beads, hollow glass beads, hydrated aluminum oxide and mixtures thereof.
8. The flame retardant urethane composition of Claim 1 wherein the bio based compound is a vegetable oil and is chosen from the group comprising soy oil, rapeseed oil, palm oil, cotton seed oil, corn oil, safflower oil, flaxseed oil or a mixture thereof.
9. The flame retardant urethane composition of Claim 1 wherein the bio based compound is soy oil.
10. The flame retardant urethane composition of Claim 1 wherein the bio based compound is selected from the group consisting of molasses, corn syrup, sugar and

mixtures thereof.

11. The flame retardant urethane composition of Claim 1 wherein the polyisocyanate is selected from the group consisting of 4,4 diphenylmethane diisocyanate, 2,4 diphenylmethane diisocyanate, modified diphenylmethane diisocyanate and mixtures thereof.

12. The flame retardant composition of Claim 1 wherein the carbonization auxiliaries is a phosphorus containing compound.

13. The flame retardant composition of Claim 9 wherein the phosphorus containing compound is an organic phosphorus containing compound.

14. The flame retardant urethane composition of Claim 1 wherein the urea condensate is selected from a group consisting of biuret, cyanuric acid, cyanmelide, ammelide and mixtures of urea, biuret, ammelide and cyanuric acid.

15. The flame retardant composition of Claim 13 wherein the organic phosphorus compound is dimethyl methyl phosphonate.

16. A method for producing flame retardant urethane compositions consisting of mixing, selective heating and reacting the following components;

Component B;

(A). urea and/or urea condensate, in the amount of 50 to 200 parts by weight;

(B). bio based compound selected from the group consisting of vegetable oils, molasses, corn syrup, sugar, lignin, sodium lignin sulfonate, sodium cellulose, hemi-cellulose and mixtures thereof in the amount of 50 to 200 parts by weight,

(C). water, in the amount of 0 to 200 parts by weight;

(D) blowing agent, in the amount of 0 to 50 parts by weight;

(E) urethane catalyst, in the amount of 0 to 20 parts by weight;

(F) carbonization auxiliaries; 0 to 50 parts by weight;

(G) filler; 0 to 200 parts by weight;

(H) surfactant, 0 to 20 parts by weight;

(I) compound with an active hydrogen that will react with a polyisocyanate, in the amount of 0 to 100 parts by weight;

Component A;

(j) polyisocyanate, in the amount of 50 to 400 parts by weight;

Component A and Component B are mixed and reacted.

17. The method of Claim 16 wherein the urea condensate is a mixture of urea, biuret, cyanuric acid and ammelide

18. The method of Claim 16 wherein the bio based compound is selected from the group consisting of vegetable oil, molasses, corn syrup, sugar and mixtures thereof. and mixtures thereof.

19. The product produced by the method of Claim 16.

20. A flame retardant polyurethane composition produced from reacting a polyurethane forming composition which comprises (A) a polyisocyanate and (B) a mixture of bio based compound selected from the group consisting of vegetable oil, molasses, corn syrup, sugar and mixture thereof, and urea and/or urea condensate, urethane catalyst, surfactant and water.